



QuickBridge.11 (2454-R, 5054-R & 5054-R-LR)

### High-Capacity Wireless Backhaul

Proxim Wireless offers extremely reliable, secure and easily-deployed solutions for interconnecting corporate and telecommunications networks.

- **Tsunami MP.11 4954-R** – Capabilities of fixed and mobile WiMAX for public safety market
- **Tsunami QuickBridge.11 4954-R** – Point-to-Point Broadband Wireless system
- **Orinoco Public Safety Wi-Fi Mesh** – Outdoor and indoor mesh access points for edge of network

Proxim Wireless is a global provider in scalable broadband wireless networking. From Wi-Fi to wireless Gigabit Ethernet – our WLAN, mesh, point-to-multipoint and point-to-point products are available through our extensive global channel network.

### Cost Effective Broadband Wireless Solutions for Public Safety Applications

The Tsunami QuickBridge.11 4954-R operates in the licensed frequency spectrum of 4.940-4.990 GHz and comes complete with a set of accessories to ease outdoor installations. As the most cost-effective point-to-point solution from Proxim, all deployments will enjoy a quick return on investment.

- Suitable for state, municipal hotspot backhaul and fixed links
- FCC certified for public safety
- High quality and reliability wireless bridges
- Enables local and state governments to deploy a complete Public Safety solution

### Complete “Hop-In-A-Box” Allows Unprecedented Ease of Installation

Tsunami QuickBridge.11 4954-R bundle is the easiest-to-install family of broadband wireless bridges on the market. Requiring no training or wireless experience, they can be installed within hours. Each bundle includes everything needed to set up a link right out of the box.

- Hop-in-a-box solution includes two radios with integrated antennas, mounting hardware, power injectors and documentation
- Pre-configured software defaults and easy to use graphical user interface eliminate guess work during installation
- Audible tones ensure antennas are properly aligned

### Synergy with Tsunami MP.11 Point-to-Multipoint Systems

Maximum synergy is realized when deployed in conjunction with Tsunami MP.11 point-to-multipoint wireless systems. With the same proven platforms, both products are designed to deliver an equal experience.

- Using the integrated antennas also used in the MP.11, the QuickBridge.11 produces the same radio characteristics
- Same ruggedized enclosures allow the use of common accessories, resulting in reduced inventory and preservation of investments
- Identical CLI and graphical software interfaces reduce training costs, and accelerate installation and troubleshooting

### Advanced Security Protects Privacy

QuickBridge.11 implements tiered security layers for the most secure outdoor communication in the unlicensed frequency spectrum.

- Proxim’s Wireless Outdoor Routing Protocol (WORP) prevents snooping common to Wi-Fi systems
- Advanced encryption protects over-the-air transmission via AES
- Radio mutual authentication eliminates unauthorized use of the system by rogue Subscriber Units and man-in-the middle attacks
- Password protection of all remote management methods

<b>DESCRIPTION</b>	Tsunami QuickBridge.11 Model 4954-R Bundle
<b>PERFORMANCE &amp; SCALABILITY</b>	
<b>INTEGRATED ANTENNA</b>	Model 4954-QB includes integrated 21-dBi antennas on both radio units
<b>EXTREME OPERATING TEMPERATURE</b>	Rated for -33° to 60° Celsius or -27.5° to 140° Fahrenheit, the system can be deployed outdoors in hot or cold climate
<b>SECURE &amp; EASY TO MANAGE</b>	
<b>HIGHLY SECURE COMMUNICATION</b>	Unlike the 802.11a/b/g standards, as a proprietary protocol, WORP eliminates the possibilities of unauthorized snooping
<b>INTER-RADIO AUTH</b>	Mutual authentication embedded in WORP protocol mitigates man-in-the-middle attacks
<b>STRONGEST ENCRYPTION</b>	Over the air transmission is encrypted using 128-bit AES
<b>FLEXIBLE BANDWIDTH</b>	Bi-directional bandwidth rate limiting allows service providers to offer tiered services; service can be provisioned instantly from the central office, without costly truck rolls
<b>REMOTE MANAGEMENT</b>	Supports flexible and secure remote management via Telnet, SNMP and web interfaces, with password protections
<b>ANTENNA ALIGNMENT TOOL</b>	Audible tone, visual aids via LEDs, and CLI with running statistics displaying real-time signal strength ease antenna installation
<b>COMPREHENSIVE STATION STATISTICS</b>	Unit and group statistics are available for monitoring, planning and management of a wireless network
<b>INTERFACES</b>	
<b>WIRED ETHERNET</b>	10/100Base-TX Ethernet (RJ-45)
<b>WIRELESS PROTOCOL</b>	WORP
<b>RADIO &amp; TRANSMISSION SPECS</b>	
<b>MODULATION METHOD</b>	OFDM
<b>FREQUENCY BANDS</b>	Americas (FCC): 4.940-4.990 GHz (Licensed for public safety in U.S.)
<b>DATA RATE</b>	54, 48, 36, 24, 18, 12, 9, 6, 4.5, 3, 2.25, 1.5 Mbps
<b>PHYSICAL SPECS</b>	
<b>DIMENSIONS</b>	
<b>PACKAGED</b>	22.5 x 15.5 x 14.75 in (571 x 394 x 375 mm)
<b>UNPACKAGED</b>	12.6 X 12.6 X 3.5 in (320 X 320 X 89 mm) – per radio unit
<b>WEIGHT</b>	
<b>PACKAGED</b>	35 lbs (15.9 kg)
<b>UNPACKAGED</b>	7 lbs (3.17 kg) – per radio unit
<b>ENVIRONMENTAL SPECS</b>	
<b>TEMPERATURE</b>	
<b>OPERATING</b>	-33° to 60°C (-27.5° to 140° Fahrenheit)
<b>STORAGE</b>	-55° to 80°C (-41° to 176° Fahrenheit)
<b>HUMIDITY</b>	
<b>OPERATING</b>	Max 100% relative humidity (non-condensing)
<b>STORAGE</b>	Max 100% relative humidity (non-condensing)
<b>WATER AND DUST PROOF</b>	IP65
<b>ELECTRICAL (POWER INJECTOR)</b>	
<b>INPUT</b>	Voltage 110 to 250 VAC
<b>OUTPUT</b>	Current 420mA at 48V
<b>POWER CONSUMPTION</b>	Maximum 20 Watt
<b>POWER OVER ETHERNET</b>	Via RJ-45 Ethernet interface port
<b>MANAGEMENT</b>	
<b>LOCAL</b>	RS-232 serial (RJ11 and DB-9)
<b>REMOTE</b>	Telnet, Web GUI, TFTP
<b>SNMP</b>	SNMPv1/v2; MIB-II ; Ethernet-like MIB; Bridge; MIB; 802.3MAU; 802.11 MIB; Private MIB; ORiNOCO MIB; RFC 1157; RFC 1213; RFC 1643; RFC 1493; RFC 2668
<b>MTBF AND WARRANTY</b>	100,000 hours; 1-year on parts and labor
<b>PACKAGE CONTENTS</b>	<ul style="list-style-type: none"> <li>■ Tsunami QuickBridge.11 Model 4954-R Radios with 21 dBi Integrated Antennas (Qty 2)</li> <li>■ Power Injectors for 4954-R (Qty 2)</li> <li>■ Wall/pole mounting brackets (Qty 2)</li> <li>■ US/CAN Power Cords (Qty 2)</li> <li>■ Cable Termination Kit (Qty 2)</li> <li>■ CD-ROM with Software and Documentation</li> </ul>
<b>RELATED PRODUCTS</b>	Tsunami MP.11 4954 Series, ORiNOCO Outdoor Mesh AP (AP-4900MR-LR), ORiNOCO Indoor Mesh AP (AP-4900M), Power Over Ethernet (PoE) Surge Arrestor (P/N #: 70251) Spare Power DC Injector for Tsunami MP.11 or QB.11 (P/N #: 69823), ProximVision™ NMS, ServPak for Enhanced Support (US/CAN Only), Worldwide Extended Warranty

## APPLICATIONS

- **Security and Surveillance**  
Real-time transport of bandwidth intensive and high-definition IP-surveillance data from cameras located at important city and transportation infrastructure such as airports, bridges and trains.
- **Emergency First Responders**  
Quickly setup and backhaul critical information such as medical data and video feeds during in-progress events.
- **Disaster Recovery**  
Build out entire public safety access networks in hours
- **Reliable and Secure**  
Government Office Connectivity Secure and reliable connectivity between city buildings to extend main network to remote offices without expensive leased lines

For detailed technical specifications, please go to <http://www.proxim.com/products/quickbridge>

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